

ANALYTICAL RESULTS SUMMARY

GENERAL CHEMISTRY

PROJECT NAME : RFP 265

WESTON SOLUTIONS, INC.

Raritan Plaza Suite 201

1090 King Georges Post Road

Edison, NJ - 08837-3703

Phone No: 732-225-6116

ORDER ID : E3814

ATTENTION : Smita Sumbaly



DoD ELAP

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Cover Page

Order ID : E3814

Project ID : RFP 265

Client : Weston Solutions, Inc.

Lab Sample Number

E3814-01
E3814-02
E3814-03
E3814-04
E3814-05
E3814-06
E3814-07
E3814-08
E3814-09
E3814-10
E3814-11
E3814-12
E3814-13
E3814-14
E3814-15
E3814-16
E3814-17
E3814-18

Client Sample Number

P001-DW-2064-1
P001-DW-2069-1
P001-DW-2081-1
P001-TW-1001-1
P001-TW-1002-1
P001-TW-1003-1
P001-TW-1004-1
P001-TW-1005-1
P001-TW-1006-1
P001-TW-1007-1
P001-TW-1008-1
P001-TW-1009-1
P001-TW-1010-1
P001-TW-1011-1
P001-TW-1012-1
P001-TW-1013-1
P001-TW-1014-1
P001-TW-1015-1

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : _____

Date: 10/1/2013

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

Weston Solutions, Inc.

Project Name: RFP 265

Project # N/A

Chemtech Project # E3814

Test Name: Corrosivity,Flash Point,Reactive Cyanide,Reactive Sulfide

A. Number of Samples and Date of Receipt:

18 Solid samples were received on 09/23/2013.

B. Parameters:

According to the Chain of Custody document, the following analyses were requested: Corrosivity, Flash Point, RCRA CHARACTERISTICS, Reactive Cyanide and Reactive Sulfide. This data package contains results for Corrosivity,Flash Point,Reactive Cyanide,Reactive Sulfide.

C. Analytical Techniques:

The analysis of Flash Point was based on method 1010A, the analysis of Reactive Cyanide was based on method 9012B, the analysis of Reactive Sulfide was based on method 9034 and the analysis of Corrosivity was based on method 9045C.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Blank Spike met requirements for all samples.

The Duplicate analysis met criteria for all samples.

The Matrix Spike analysis met criteria for all samples.

The Blank analysis did not indicate the presence of lab contamination.

The Calibration met the requirements.

E. Additional Comments:

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

DATA REPORTING QUALIFIERS- INORGANIC

For reporting results, the following “ Results Qualifiers” are used:

J	Indicates the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL), but greater than or equal to the Instrument Detection Limit (IDL).
U	Indicates the analyte was analyzed for, but not detected.
ND	Indicates the analyte was analyzed for, but not detected
E	Indicates the reported value is estimated because of the presence of interference
M	Indicates Duplicate injection precision not met.
N	Indicates the spiked sample recovery is not within control limits.
S	Indicates the reported value was determined by the Method of Standard Addition (MSA).
*	Indicates that the duplicate analysis is not within control limits.
+	Indicates the correlation coefficient for the MSA is less than 0.995.
D	Indicates the reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
M	Method qualifiers “P” for ICP instrument “PM” for ICP when Microwave Digestion is used “CV” for Manual Cold Vapor AA “AV” for automated Cold Vapor AA “CA” for MIDI-Distillation Spectrophotometric “AS” for Semi -Automated Spectrophotometric “C” for Manual Spectrophotometric “T” for Titrimetric “NR” for analyte not required to be analyzed
OR	Indicates the analyte’s concentration exceeds the calibrated range of the instrument for that specific analysis.
Q	Indicates the LCS did not meet the control limits requirements
H	Sample Analysis Out Of Hold Time

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: E3814

Completed

For thorough review, the report must have the following:

GENERAL:

Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)

✓

Check chain-of-custody for proper relinquish/return of samples

✓

Is the chain of custody signed and complete

✓

Check internal chain-of-custody for proper relinquish/return of samples /sample extracts

✓

Collect information for each project id from server. Were all requirements followed

✓

COVER PAGE:

Do numbers of samples correspond to the number of samples in the Chain of Custody on login page

✓

Do lab numbers and client Ids on cover page agree with the Chain of Custody

✓

CHAIN OF CUSTODY:

Do requested analyses on Chain of Custody agree with form I results

✓

Do requested analyses on Chain of Custody agree with the log-in page

✓

Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody

✓

Were the samples received within hold time

✓

Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

1st Level QA Review Signature: SHELLY GUHA

Date: 10/01/2013

2nd Level QA Review Signature: _____ Date: _____

SAMPLE DATA

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	09/23/13 11:00
Project:	RFP 265	Date Received:	09/23/13
Client Sample ID:	P001-DW-2064-1	SDG No.:	E3814
Lab Sample ID:	E3814-01	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity (as pH)	5.53		1	0	0	0	pH	09/24/13	09/24/13 9:20	SW9045C
Flashpoint	>212		1	0	0	0	o F	09/24/13	09/24/13 9:30	1010A
Reactive Cyanide	0.05	U	1	0.05	0.05	0.05	mg/Kg	09/24/13	09/24/13 16:12	9012B
Reactive Sulfide	21		1	10	10	10	mg/Kg	09/24/13	09/24/13 16:00	9034

Comments: matrix=liquid waste

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	09/23/13 10:30
Project:	RFP 265	Date Received:	09/23/13
Client Sample ID:	P001-DW-2069-1	SDG No.:	E3814
Lab Sample ID:	E3814-02	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity (as pH)	5.31		1	0	0	0	pH	09/24/13	09/24/13 9:28	SW9045C
Flashpoint	185		1	0	0	0	o F	09/24/13	09/24/13 9:30	1010A
Reactive Cyanide	0.068		1	0.05	0.05	0.05	mg/Kg	09/24/13	09/24/13 16:12	9012B
Reactive Sulfide	26		1	10	10	10	mg/Kg	09/24/13	09/24/13 16:00	9034

Comments: matrix=liquid waste

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	09/23/13 11:00
Project:	RFP 265	Date Received:	09/23/13
Client Sample ID:	P001-DW-2081-1	SDG No.:	E3814
Lab Sample ID:	E3814-03	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity (as pH)	5.27		1	0	0	0	pH	09/24/13	09/24/13 9:32	SW9045C
Flashpoint	>212		1	0	0	0	o F	09/24/13	09/24/13 9:30	1010A
Reactive Cyanide	0.05	U	1	0.05	0.05	0.05	mg/Kg	09/24/13	09/24/13 16:12	9012B
Reactive Sulfide	30		1	10	10	10	mg/Kg	09/24/13	09/24/13 16:00	9034

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	09/23/13 13:30
Project:	RFP 265	Date Received:	09/23/13
Client Sample ID:	P001-TW-1001-1	SDG No.:	E3814
Lab Sample ID:	E3814-04	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity (as pH)	7.14		1	0	0	0	pH	09/24/13	09/24/13 9:36	SW9045C
Flashpoint	>212		1	0	0	0	o F	09/24/13	09/24/13 9:30	1010A
Reactive Cyanide	0.05	U	1	0.05	0.05	0.05	mg/Kg	09/24/13	09/24/13 16:19	9012B
Reactive Sulfide	30		1	10	10	10	mg/Kg	09/24/13	09/24/13 16:00	9034

Comments: matrix=liquid waste

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	09/23/13 13:40
Project:	RFP 265	Date Received:	09/23/13
Client Sample ID:	P001-TW-1002-1	SDG No.:	E3814
Lab Sample ID:	E3814-05	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity (as pH)	8.97		1	0	0	0	pH	09/24/13	09/24/13 9:40	SW9045C
Flashpoint	180		1	0	0	0	o F	09/24/13	09/24/13 9:30	1010A
Reactive Cyanide	0.05	U	1	0.05	0.05	0.05	mg/Kg	09/24/13	09/24/13 16:19	9012B
Reactive Sulfide	18		1	10	10	10	mg/Kg	09/24/13	09/24/13 16:00	9034

Comments: matrix=liquid waste

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J = Estimated Value

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OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	09/23/13 13:45
Project:	RFP 265	Date Received:	09/23/13
Client Sample ID:	P001-TW-1003-1	SDG No.:	E3814
Lab Sample ID:	E3814-06	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity (as pH)	6.69		1	0	0	0	pH	09/24/13	09/24/13 9:44	SW9045C
Flashpoint	>212		1	0	0	0	o F	09/24/13	09/24/13 9:30	1010A
Reactive Cyanide	0.05	U	1	0.05	0.05	0.05	mg/Kg	09/24/13	09/24/13 16:19	9012B
Reactive Sulfide	19		1	10	10	10	mg/Kg	09/24/13	09/24/13 16:00	9034

Comments: matrix=liquid waste

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H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

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OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	09/23/13 14:00
Project:	RFP 265	Date Received:	09/23/13
Client Sample ID:	P001-TW-1004-1	SDG No.:	E3814
Lab Sample ID:	E3814-07	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity (as pH)	6.41		1	0	0	0	pH	09/24/13	09/24/13 9:48	SW9045C
Flashpoint	165		1	0	0	0	o F	09/24/13	09/24/13 9:30	1010A
Reactive Cyanide	0.05	U	1	0.05	0.05	0.05	mg/Kg	09/24/13	09/24/13 16:19	9012B
Reactive Sulfide	32		1	10	10	10	mg/Kg	09/24/13	09/24/13 16:00	9034

Comments: matrix=liquid waste

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

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H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

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E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	09/23/13 14:15
Project:	RFP 265	Date Received:	09/23/13
Client Sample ID:	P001-TW-1005-1	SDG No.:	E3814
Lab Sample ID:	E3814-08	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity (as pH)	6.43		1	0	0	0	pH	09/24/13	09/24/13 9:52	SW9045C
Flashpoint	145		1	0	0	0	o F	09/24/13	09/24/13 9:30	1010A
Reactive Cyanide	0.05	U	1	0.05	0.05	0.05	mg/Kg	09/24/13	09/24/13 16:19	9012B
Reactive Sulfide	32		1	10	10	10	mg/Kg	09/24/13	09/24/13 16:00	9034

Comments: matrix=liquid waste

U = Not Detected

LOQ = Limit of Quantitation

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LOD = Limit of Detection

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H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

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E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	09/23/13 14:20
Project:	RFP 265	Date Received:	09/23/13
Client Sample ID:	P001-TW-1006-1	SDG No.:	E3814
Lab Sample ID:	E3814-09	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity (as pH)	8.01		1	0	0	0	pH	09/24/13	09/24/13 9:56	SW9045C
Flashpoint	>212		1	0	0	0	o F	09/24/13	09/24/13 9:30	1010A
Reactive Cyanide	0.05	U	1	0.05	0.05	0.05	mg/Kg	09/24/13	09/24/13 16:19	9012B
Reactive Sulfide	30		1	10	10	10	mg/Kg	09/24/13	09/24/13 16:00	9034

Comments: matrix=liquid waste

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H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

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OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	09/23/13 14:25
Project:	RFP 265	Date Received:	09/23/13
Client Sample ID:	P001-TW-1007-1	SDG No.:	E3814
Lab Sample ID:	E3814-10	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity (as pH)	7.18		1	0	0	0	pH	09/24/13	09/24/13 10:04	SW9045C
Flashpoint	>212		1	0	0	0	o F	09/24/13	09/24/13 9:30	1010A
Reactive Cyanide	0.05	U	1	0.05	0.05	0.05	mg/Kg	09/24/13	09/24/13 16:19	9012B
Reactive Sulfide	26		1	10	10	10	mg/Kg	09/24/13	09/24/13 16:00	9034

Comments: matrix=liquid waste

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	09/23/13 14:35
Project:	RFP 265	Date Received:	09/23/13
Client Sample ID:	P001-TW-1008-1	SDG No.:	E3814
Lab Sample ID:	E3814-11	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity (as pH)	7.07		1	0	0	0	pH	09/24/13	09/24/13 10:12	SW9045C
Flashpoint	100		1	0	0	0	o F	09/24/13	09/24/13 9:30	1010A
Reactive Cyanide	2.7		1	0.05	0.05	0.05	mg/Kg	09/24/13	09/24/13 16:19	9012B
Reactive Sulfide	32		1	10	10	10	mg/Kg	09/24/13	09/24/13 16:00	9034

Comments: matrix=liquid waste

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	09/23/13 14:40
Project:	RFP 265	Date Received:	09/23/13
Client Sample ID:	P001-TW-1009-1	SDG No.:	E3814
Lab Sample ID:	E3814-12	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity (as pH)	5.81		1	0	0	0	pH	09/24/13	09/24/13 10:16	SW9045C
Flashpoint	>212		1	0	0	0	o F	09/24/13	09/24/13 9:30	1010A
Reactive Cyanide	0.05	U	1	0.05	0.05	0.05	mg/Kg	09/24/13	09/24/13 16:19	9012B
Reactive Sulfide	14		1	10	10	10	mg/Kg	09/24/13	09/24/13 16:00	9034

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	09/23/13 14:45
Project:	RFP 265	Date Received:	09/23/13
Client Sample ID:	P001-TW-1010-1	SDG No.:	E3814
Lab Sample ID:	E3814-13	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity (as pH)	5.97		1	0	0	0	pH	09/24/13	09/24/13 10:20	SW9045C
Flashpoint	130		1	0	0	0	o F	09/24/13	09/24/13 9:30	1010A
Reactive Cyanide	0.05	U	1	0.05	0.05	0.05	mg/Kg	09/24/13	09/24/13 16:26	9012B
Reactive Sulfide	10	U	1	10	10	10	mg/Kg	09/24/13	09/24/13 16:00	9034

Comments: matrix=liquid waste

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	09/23/13 14:50
Project:	RFP 265	Date Received:	09/23/13
Client Sample ID:	P001-TW-1011-1	SDG No.:	E3814
Lab Sample ID:	E3814-14	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity (as pH)	13.21		1	0	0	0	pH	09/24/13	09/24/13 10:24	SW9045C
Flashpoint	>212		1	0	0	0	o F	09/24/13	09/24/13 9:30	1010A
Reactive Cyanide	0.05	U	1	0.05	0.05	0.05	mg/Kg	09/24/13	09/24/13 16:26	9012B
Reactive Sulfide	18		1	10	10	10	mg/Kg	09/24/13	09/24/13 16:00	9034

Comments: matrix=liquid waste

U = Not Detected

LOQ = Limit of Quantitation

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OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	09/23/13 14:55
Project:	RFP 265	Date Received:	09/23/13
Client Sample ID:	P001-TW-1012-1	SDG No.:	E3814
Lab Sample ID:	E3814-15	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity (as pH)	6.44		1	0	0	0	pH	09/24/13	09/24/13 10:28	SW9045C
Flashpoint	98		1	0	0	0	o F	09/24/13	09/24/13 9:30	1010A
Reactive Cyanide	0.05	U	1	0.05	0.05	0.05	mg/Kg	09/24/13	09/24/13 16:26	9012B
Reactive Sulfide	32		1	10	10	10	mg/Kg	09/24/13	09/24/13 16:00	9034

Comments: matrix=liquid waste

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	09/23/13 15:00
Project:	RFP 265	Date Received:	09/23/13
Client Sample ID:	P001-TW-1013-1	SDG No.:	E3814
Lab Sample ID:	E3814-16	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity (as pH)	4.68		1	0	0	0	pH	09/24/13	09/24/13 10:32	SW9045C
Flashpoint	92		1	0	0	0	o F	09/24/13	09/24/13 9:30	1010A
Reactive Cyanide	0.05	U	1	0.05	0.05	0.05	mg/Kg	09/24/13	09/24/13 16:26	9012B
Reactive Sulfide	30		1	10	10	10	mg/Kg	09/24/13	09/24/13 16:00	9034

Comments: matrix=liquid waste

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	09/23/13 15:05
Project:	RFP 265	Date Received:	09/23/13
Client Sample ID:	P001-TW-1014-1	SDG No.:	E3814
Lab Sample ID:	E3814-17	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity (as pH)	8.7		1	0	0	0	pH	09/24/13	09/24/13 10:36	SW9045C
Flashpoint	115		1	0	0	0	o F	09/24/13	09/24/13 9:30	1010A
Reactive Cyanide	0.725		1	0.05	0.05	0.05	mg/Kg	09/24/13	09/24/13 16:26	9012B
Reactive Sulfide	34		1	10	10	10	mg/Kg	09/24/13	09/24/13 16:00	9034

Comments: matrix=liquid waste

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	09/23/13 15:10
Project:	RFP 265	Date Received:	09/23/13
Client Sample ID:	P001-TW-1015-1	SDG No.:	E3814
Lab Sample ID:	E3814-18	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity (as pH)	9.57		1	0	0	0	pH	09/24/13	09/24/13 10:40	SW9045C
Flashpoint	98		1	0	0	0	o F	09/24/13	09/24/13 9:30	1010A
Reactive Cyanide	0.125		1	0.05	0.05	0.05	mg/Kg	09/24/13	09/24/13 16:26	9012B
Reactive Sulfide	32		1	10	10	10	mg/Kg	09/24/13	09/24/13 16:00	9034

Comments: matrix=liquid waste

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits

LAB CHRONICLE

OrderID:	E3814	OrderDate:	9/24/2013 9:18:00 AM
Client:	Weston Solutions, Inc.	Project:	RFP 265
Contact:	Smita Sumbaly	Location:	E41

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
E3814-01	P001-DW-2064-1	SOIL			09/23/13 11:00			09/23/13
			Corrosivity	9045C		09/24/13	09/24/13 9:20	
			Flash Point	1010A		09/24/13	09/24/13 9:30	
			Reactive Cyanide	9012B		09/24/13	09/24/13 16:12	
			Reactive Sulfide	9034		09/24/13	09/24/13 16:00	
E3814-02	P001-DW-2069-1	SOIL			09/23/13 10:30			09/23/13
			Corrosivity	9045C		09/24/13	09/24/13 9:28	
			Flash Point	1010A		09/24/13	09/24/13 9:30	
			Reactive Cyanide	9012B		09/24/13	09/24/13 16:12	
			Reactive Sulfide	9034		09/24/13	09/24/13 16:00	
E3814-03	P001-DW-2081-1	SOIL			09/23/13 11:00			09/23/13
			Corrosivity	9045C		09/24/13	09/24/13 9:32	
			Flash Point	1010A		09/24/13	09/24/13 9:30	
			Reactive Cyanide	9012B		09/24/13	09/24/13 16:12	
			Reactive Sulfide	9034		09/24/13	09/24/13 16:00	
E3814-04	P001-TW-1001-1	SOIL			09/23/13 13:30			09/23/13
			Corrosivity	9045C		09/24/13	09/24/13 9:36	
			Flash Point	1010A		09/24/13	09/24/13 9:30	
			Reactive Cyanide	9012B		09/24/13	09/24/13 16:19	
			Reactive Sulfide	9034		09/24/13	09/24/13 16:00	
E3814-05	P001-TW-1002-1	SOIL			09/23/13 13:40			09/23/13
			Corrosivity	9045C		09/24/13	09/24/13 9:40	
			Flash Point	1010A		09/24/13	09/24/13 9:30	
			Reactive Cyanide	9012B		09/24/13	09/24/13 16:19	
			Reactive Sulfide	9034		09/24/13	09/24/13 16:00	
E3814-06	P001-TW-1003-1	SOIL			09/23/13 13:45			09/23/13
			Corrosivity	9045C		09/24/13	09/24/13 9:44	
			Flash Point	1010A		09/24/13	09/24/13 9:30	

LAB CHRONICLE

			Reactive Cyanide	9012B	09/24/13	09/24/13 16:19
			Reactive Sulfide	9034	09/24/13	09/24/13 16:00
E3814-07	P001-TW-1004-1	SOIL			09/23/13 14:00	09/23/13
			Corrosivity	9045C	09/24/13	09/24/13 9:48
			Flash Point	1010A	09/24/13	09/24/13 9:30
			Reactive Cyanide	9012B	09/24/13	09/24/13 16:19
			Reactive Sulfide	9034	09/24/13	09/24/13 16:00
E3814-08	P001-TW-1005-1	SOIL			09/23/13 14:15	09/23/13
			Corrosivity	9045C	09/24/13	09/24/13 9:52
			Flash Point	1010A	09/24/13	09/24/13 9:30
			Reactive Cyanide	9012B	09/24/13	09/24/13 16:19
			Reactive Sulfide	9034	09/24/13	09/24/13 16:00
E3814-09	P001-TW-1006-1	SOIL			09/23/13 14:20	09/23/13
			Corrosivity	9045C	09/24/13	09/24/13 9:56
			Flash Point	1010A	09/24/13	09/24/13 9:30
			Reactive Cyanide	9012B	09/24/13	09/24/13 16:19
			Reactive Sulfide	9034	09/24/13	09/24/13 16:00
E3814-10	P001-TW-1007-1	SOIL			09/23/13 14:25	09/23/13
			Corrosivity	9045C	09/24/13	09/24/13 10:04
			Flash Point	1010A	09/24/13	09/24/13 9:30
			Reactive Cyanide	9012B	09/24/13	09/24/13 16:19
			Reactive Sulfide	9034	09/24/13	09/24/13 16:00
E3814-11	P001-TW-1008-1	SOIL			09/23/13 14:35	09/23/13
			Corrosivity	9045C	09/24/13	09/24/13 10:12
			Flash Point	1010A	09/24/13	09/24/13 9:30
			Reactive Cyanide	9012B	09/24/13	09/24/13 16:19
			Reactive Sulfide	9034	09/24/13	09/24/13 16:00
E3814-12	P001-TW-1009-1	SOIL			09/23/13 14:40	09/23/13
			Corrosivity	9045C	09/24/13	09/24/13 10:16
			Flash Point	1010A	09/24/13	09/24/13 9:30
			Reactive Cyanide	9012B	09/24/13	09/24/13 16:19
			Reactive Sulfide	9034	09/24/13	09/24/13 16:00
E3814-13	P001-TW-1010-1	SOIL			09/23/13 14:45	09/23/13
			Corrosivity	9045C	09/24/13	09/24/13 10:20
			Flash Point	1010A	09/24/13	09/24/13 9:30

LAB CHRONICLE

			Reactive Cyanide	9012B	09/24/13	09/24/13 16:26
			Reactive Sulfide	9034	09/24/13	09/24/13 16:00
E3814-14	P001-TW-1011-1	SOIL			09/23/13 14:50	09/23/13
			Corrosivity	9045C	09/24/13	09/24/13 10:24
			Flash Point	1010A	09/24/13	09/24/13 9:30
			Reactive Cyanide	9012B	09/24/13	09/24/13 16:26
			Reactive Sulfide	9034	09/24/13	09/24/13 16:00
E3814-15	P001-TW-1012-1	SOIL			09/23/13 14:55	09/23/13
			Corrosivity	9045C	09/24/13	09/24/13 10:28
			Flash Point	1010A	09/24/13	09/24/13 9:30
			Reactive Cyanide	9012B	09/24/13	09/24/13 16:26
			Reactive Sulfide	9034	09/24/13	09/24/13 16:00
E3814-16	P001-TW-1013-1	SOIL			09/23/13 15:00	09/23/13
			Corrosivity	9045C	09/24/13	09/24/13 10:32
			Flash Point	1010A	09/24/13	09/24/13 9:30
			Reactive Cyanide	9012B	09/24/13	09/24/13 16:26
			Reactive Sulfide	9034	09/24/13	09/24/13 16:00
E3814-17	P001-TW-1014-1	SOIL			09/23/13 15:05	09/23/13
			Corrosivity	9045C	09/24/13	09/24/13 10:36
			Flash Point	1010A	09/24/13	09/24/13 9:30
			Reactive Cyanide	9012B	09/24/13	09/24/13 16:26
			Reactive Sulfide	9034	09/24/13	09/24/13 16:00
E3814-18	P001-TW-1015-1	SOIL			09/23/13 15:10	09/23/13
			Corrosivity	9045C	09/24/13	09/24/13 10:40
			Flash Point	1010A	09/24/13	09/24/13 9:30
			Reactive Cyanide	9012B	09/24/13	09/24/13 16:26
			Reactive Sulfide	9034	09/24/13	09/24/13 16:00

SHIPPING DOCUMENTS

E3814

USEPA

DateShipped 9/23/2013

CarrierName: Courier Pick Up

AirbillNo N/A

CHAIN OF CUSTODY RECORD

RFP No. 265 / Weston Solutions

Contact Name: Scott Snyder

Contact Phone: 732-570-4993

No: 2-092313-142409-0018

Cooler # 1 of 1

Lab: ChemTech

Lab Phone:

6.1

Lab #	Sample #	Location	Analyses	Matrix	Collected	Sample Time	Numb Cont	Container	Preservative	MS/MSD
1	P001-DW-2064-1	Area 02	RCRA Characteristics	Liquid Waste	9/23/2013	11:00	1	8-oz. jar	4 C	N
2	P001-DW-2069-1	Area 02	RCRA Characteristics	Liquid Waste	9/23/2013	10:30	1	8-oz. jar	4 C	N
3	P001-DW-2081-1	Area 02	RCRA Characteristics	Liquid Waste	9/23/2013	11:00	1	8-oz. jar	4 C	N
4	P001-TW-1001-1	Area 01	RCRA Characteristics	Liquid Waste	9/23/2013	13:30	1	8-oz. jar	4 C	N
5	P001-TW-1002-1	Area 01	RCRA Characteristics	Liquid Waste	9/23/2013	13:40	1	8-oz. jar	4 C	N
6	P001-TW-1003-1	Area 01	RCRA Characteristics	Liquid Waste	9/23/2013	13:45	1	8-oz. jar	4 C	N
7	P001-TW-1004-1	Area 01	RCRA Characteristics	Liquid Waste	9/23/2013	14:00	1	8-oz. jar	4 C	N
8	P001-TW-1005-1	Area 01	RCRA Characteristics	Liquid Waste	9/23/2013	14:15	1	8-oz. jar	4 C	N
9	P001-TW-1006-1	Area 01	RCRA Characteristics	Liquid Waste	9/23/2013	14:20	1	8-oz. jar	4 C	N
10	P001-TW-1007-1	Area 01	RCRA Characteristics	Liquid Waste	9/23/2013	14:25	1	8-oz. jar	4 C	N
11	P001-TW-1008-1	Area 01	RCRA Characteristics	Liquid Waste	9/23/2013	14:35	1	8-oz. jar	4 C	N
12	P001-TW-1009-1	Area 01	RCRA Characteristics	Liquid Waste	9/23/2013	14:40	1	8-oz. jar	4 C	N
13	P001-TW-1010-1	Area 01	RCRA Characteristics	Liquid Waste	9/23/2013	14:45	1	8-oz. jar	4 C	N
14	P001-TW-1011-1	Area 01	RCRA Characteristics	Liquid Waste	9/23/2013	14:50	1	8-oz. jar	4 C	N
15	P001-TW-1012-1	Area 01	RCRA Characteristics	Liquid Waste	9/23/2013	14:55	1	8-oz. jar	4 C	N
16	P001-TW-1013-1	Area 01	RCRA Characteristics	Liquid Waste	9/23/2013	15:00	1	8-oz. jar	4 C	N
17	P001-TW-1014-1	Area 01	RCRA Characteristics	Liquid Waste	9/23/2013	15:05	1	8-oz. jar	4 C	N
18	P001-TW-1015-1	Area 01	RCRA Characteristics	Liquid Waste	9/23/2013	15:10	1	8-oz. jar	4 C	N
*	P001-TW-1015-2	Area 01	RCRA Characteristics	Liquid Waste	9/23/2013	15:10	1	8-oz. jar	4 C	N

Special Instructions: RFP No. 265

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
Lab Analysis		9/23/13	J. (J)	9-23-13	1546						
		9.23.13	Snyder	9/23/13	18:40						

* SEE SMPM Ticket
30 of 34

Temp: 5°C

See attached

Smita Sumbaly

Chemist QA/QC Specialist

Weston Solutions, Inc.

1090 King Georges Post Road

Suite 201, Edison, NJ 08837

Phone: 732-585-4410

Fax: 732-225-7037

From: c.wolski@chemtech.net [mailto:c.wolski@chemtech.net]

Sent: Monday, September 23, 2013 4:32 PM

To: Sumbaly, Smita

Subject: Re: Issue with todays shipment

Do you have a copy of coc?

Chris

On Sep 23, 2013, at 16:26, "Sumbaly, Smita" <S.Sumbaly@WestonSolutions.com> wrote:

Chris – See below email

Smita Sumbaly

Chemist QA/QC Specialist

Weston Solutions, Inc.

1090 King Georges Post Road

Suite 201, Edison, NJ 08837

Phone: 732-585-4410

Fax: 732-225-7037

From: Lisichenko, Peter
Sent: Monday, September 23, 2013 4:18 PM
To: Sumbaly, Smita
Cc: Snyder, Scott
Subject: Issue with todays shipment

Hi Smita,

FYI – We have one sample that did not make it into the cooler for tonight's shipment to ChemTech. The sample that is on the COC but not in the cooler is P001-TW-1015-2. It will be included in tomorrow's shipment.

Thanks.

-Peter

Peter Lisichenko

Principal Project Leader

Weston Solutions, Inc.

Removal Support Team 2

1090 King Georges Post Road

Suite 201

Edison, New Jersey 08837

Office: (703) 585-4411

Cell/text: (603) 512-4350

peter.lisichenko@westonsolutions.com

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284 Sheffield Street Mountainside NJ 07092 Tel. 908-7898900

Laboratory Certification

State	License No.
New Jersey	20012
New York	11376
Connecticut	PH-0649
Florida	E87935
Louisiana	5035
Maryland	296
Massachusetts	M-NJ503
Pennsylvania	68-548
Rhode Island	LAO00259
Virginia	460220
Texas	T10470448-10-1

Other :

DOD ELAP Certified (L-A-B Accredited), ISO/IEC 17025	L2219
Soil Permit	P330-11-00012
CLP Inorganic Contract	EPW09038
CLP Organic Contract	EPW11030

QA Control Code: A2070148